(d) and (e) The EOU scheme was introduced with a view to provide an internationally competitive and hassle free environment for production of goods for export. It is the Government's endeavour to simplify regulations & procedures and thereby reduce the transaction cost for the industry.

FTA with China

1627. SHRIMATI N.P. DURGA: Will the Minister of COMMERCE AND INDUSTRY be pleased to state:

(a) whether it is a fact that India and China are going to have a Free Trade Agreement;

(b) whether it is also a fact that the apex body of the Indian exporters FECO supported the move with a rider to have a nagative list which should include items like textiles, auto components, leather, etc.; and

(c) the progress of talks on the FTA with China?

THE MINISTER OF STATE IN THE DEPARTMENT OF COMMERCE, MINISTRY OF COMMERCE AND INDUSTRY (SHRI JAIRAM RAMESH): (a) The India-China Joint Study Group has made a recommendation for evolving a China-India Regional Trading Arrangement comprising trade in goods and services, investments, investment promotion & facilitation and measures for promotion of economic cooperation in identified sectors.

(b) Yes, Sir.

(c) In pursuance to the recommendations of the Joint Study Group, a Joint Task Force to study in detail the feasibility of and the benefits that may derive from the China-India Regional Trading Arrangement has been constituted and its first meeting is scheduled to held on 13 March, 2006.

Grant of patents to inventions

1628. SHRI SANJAY RAUT: Will the Minister of COMMERCE AND INDUSTRY be pleased to state:

(a) the details of inventions, which have been granted Patents by

Government in the field of energy and automobile sectors since last two years; and

(b) the steps taken or proposed to be taken for using such inventions for the all-round development in energy and automobile sectors in the country?

THE MINISTER OF STATE IN THE DEPARTMENT OF INDUSTRIAL POLICY AND PROMOTION, MINISTRY OF COMMERCE AND INDUSTRY (SHRI ASHWANI KUMAR): (a) Details of patents granted in the years 2004 and 2005 in the fields of energy and automobile sectors are as in the Statement (*See* below).

(b) Patents are private property rights granted for new inventions. Patent discloses the invention to the public, including possible investors. In the new liberalized economy, investment decisions are taken *inter-alia*, on techno-economic considerations. Technologies which contribute to the competitiveness of the enterprise are naturally preferred by investors. This preference leads to utilisation of patented technologies by the patent holder or licencees of the patent in a manner that permits the optimal and beneficial use of patents. There is also a provision for compulsory licensing of patents under the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.

Under Sector 84 of the Patents Act, 1970, at any time after the expiration of three years from the date of the grant of a patent, any person interested may make an application to the Controller of Patents for grant of compulsory licence on patent on any of the following grounds, namely:—

(a) that the reasonable requirements of the public with respect to the patended invention have not been satisfied, or

(b) that the patented invention is not available to the public at a reasonably affordable price, or

(c) that the patented invention is not worked in the territory of India.

Statement

Details of patents granted during the years 2004 and 2005

a. Energy

Sl. No.	Patent No.	Title
1	190405	Device for generating super heated steam from saturated steam and a steam power plant
2	190406	Apparatus for quickly controlling the output of a power station facility
3	190939	Power converted apparatus.
4	191396	Automatic prime mover
5	191368	Gas turbine comprising of a burner for combustion of a fuel
6	191648	Safety Gear
7	191087	AV-belt automatic and/or selection
8	194787	Hydraulic control system
9	192390	A method for recovering methane from a carbonaceous material of a coal seam
10	195132	Combustion burner and combustion apparatus with the same
11	195136	An improved irrigation emitter unit
12	196109	A power transmission device
13	196112	Fuel cell stack compression system
14	196113	A fuel cell stack manifold retention system
15	195151	Electronic L.P.G. optimum burning system (sensored & auto)
16	195152	Flat fluorescent lamp for background lighting, and a liquid crystal display device having this flat fluorescent lamp
17	195285	Evaporator

Sl. No.	Patent No.	Title
18	195286	Am improved sand mould air impact or blast compacting machine
19	195287	Fluidized-bed firing system with generation of steam
20	195383	An improved self energizing synchronizer
21	195384	An improved gas turbine hybrid burner for reduction of combustion oscillation and a process thereof
22	196167	Method and apparatus for decontaminating fluids using ultraviolet radiation
23	196184	Key and associated lock cylinder
24	196188	Single—switch three phase boost rectifier with power factor correction
25	195506	Cylindrical alkaline battery
26	195531	Engineless battery operated energy saving electric motor cycle and operating method thereof
27	192531	An Electrically Re-generatable Electrochemical cell
28	192532	A device for control of high-voltage direct current transmission installation
29	196246	Method and apparatus for supplying power from shore to ship
30	196259	A fault current limiting reactor for three-phase balanced AC power systems
31	196473	A high efficiency energy conserving multi stage evaporator cum water recycle plant (125°c)
32	196548	A special purpose machine for rectification and machining of the steam gland area of turbine casings "in-situ" and a process therefore
33	196134	Transmission belt
34	196527	Am improved heat exchanger in the form of a matrix heat recovery unit

Sl. No.	Patent No.	Title
35	196531	Automatic closing type LPG pressure regulator
36	195741	Electrolyser
37	195743	Am improved brush seal for sealing an inter-pace between a housing and a rotor of a gas turbine
38	195744	Mechanical extractor for relieving heavily jammed/stuck rail fastening clips
39	195761	A synchronizer for a transmission to disengage self-energizing means
40	195768	A delayed coking process
b. Automobile		
1	190195	A mechanical cum electronic variable speed drive having a control system
2	190511	An improved leaf spring for use in the suspension unit of vehicles
3	191650	Leakage preventing device for motorcycle
4	187328	Body frame for a Scooter type vehicle
5	192099	Safety brake system for automobile vehicle
6	193273	Heater for preventing icing of carburetor
7	190158	Battery cooling apparatus for an electric vehicle
8	190332	A drive pulley unit in pedal vehicle with staplers transmission
9	190378	Automatic starter for engine
10	190630	A braking device for a motorcycle
11	190727	An apparatus for lubricating a car drive member in a four cycle internal combustion engine
12	192325	Ignition System
13	190172	Thermally controlled valve for use in a cooling water system for internal combustion engine
14	192610	A starter for a Internal combustion Engine

Sl. No.	Patent No.	Title
15	193503	Clutch disc device
16	193518	A device and method for alignment of vehicle
17	193521	An attachment system for a vehicle seat
18	193710	Vehicle drive line clutch
19	193758	A clutch drover disc assembly
20	194414	Automatic engine cooling system
21	194760	Exhaust system structure for automobile
22	195135	An improved flat radiator
23	195137	Starter of carburetor
24	196075	An Electric Automobile/Motor Vehicle, running on road or rail using wind flow energy against running vehicle for changing its batteries
25	196088	A gate control valve
26	196090	Fail safe braking system
27	195143	A vehicular semi-automatic shift implementation apparatus
28	195144	Rail vehicle
29	195385	A mechanical change gear transmission
30	196169	An exhaust assembly of an engine
31	195404	Slow adjust screw for carburetor
32	195411	Three-valve engine combustion chamber
33	195451	Priming system for internal combustion engines
34	195453	An improved mounting assembly and a harvester for mounting of a tractor
35	195464	Device for protecting a braking resistor for locomotives.
36	195301	Device for stabilizing the two lower steering arms of a tractor
37	195777	In-vehicle automated falling weight deflectometer
38	192537	A Battery case mounting device for a motor-driven

Sl. No.	Patent No.	Title
		vehicle
39	192534	A fuel injection pump
40	196232	Exhaust manifold connecting structure for multi-cylinder internal combustion engine
41	196257	An automobile engine or like prime mover using distilled water propellant as an alternative source of fuel energy
42	196462	Direct-fuel-injection-type spark-ignition internal combustion engine
43	196463	Internal combustion engine
44	196486	Improved oil gear pump for lubrication of parts of internal combustion engine
45	196488	A fuel delivery system for petrol driven I.C. engine
46	196496	A motorcycle
47	196547	Four cycle engine for vehicle
48	196579	Improvement in clutch and gearshift control system 2 or 3 wheeled vehicles
49	196584	A gear position detecting apparatus for detaching a geat position of a gear shifter
50	196586	A scooter type vehicle having a low slung floor
51	196595	A vehicle comprising an engine stopping/starting control unit
52	196604	Handlebar for the small sized vehicle
53	196633	Fuel seal structure in fuel tank for motorcycle
54	196647	Assembly of a circular cylinder for internal combustion engines, compressors and pump
55	195615	Method of controlling shift action in an up-shift mode of an automatic transmission for a vehicle
56	195629	A method of balancing a clutch friction disc
57	196521	Air filter for diesel engine
58	196534	An off-cylinder v-type internal combustion engine